1					Docket Number (Optional) BBC-083/A	A	pplication Number	894,550	
	ONFO	MY NON DISCLOSUR (Un several sheets if neces.			Applicant(s) A. Collinson et al.		07/	574,550	
		8 SOUS TA	sur y)		Filing Date	0	Froup Art Unit	1645	
	71-	6/		TIC DATE	June 28, 2001			1045	
Į.		NO.		U.S. PA 1	ENT DOCUMENTS			FILING	DATE
*EXAMINER INITIAL	TIAL REF DOCUMENT NUMBER DATE		<u> </u>	NAME	CLASS	SUBCLASS	IF APPRO		
AL		5,939,598	08/17/99	Kucher	Kucherlapati et al.		E P	 33	
1		5,580,717	12/03/96	Dower	et al.	_	Ω	≥ 111	
		5,969,108	10/19/99	McCaff	erty et al.		/ N		
		5,885,793	03/23/99	Griffith	s et al.		7 16 166	7 20	п
		60/126,603	03/25/99	Salfeld	et al.	_	ENTER 1600/2900	02 C	
		5,168,062	12/01/92	Stinski	Stinski		.8		
		5,179,017	01/12/93	Axel et	al.	1.	_		
		5,627,052	05/06/97	Schrade	er et al.	-			
1	5,756,095 05/26/98 Ju		Juntila)	-			
∨ -									
				FOREIG	N PATENT DOCUMENTS				
	REF	DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUBCLASS	Trans YES	lation NO
AL	7	99/45962	09/16/99	wo		_	-		
1/1		92/01047	01/23/92	wo		_	_		
		92/20791	11/26/92	wo		_			
		92/09690	06/11/92	wo		_	5		
		97/08320	03/06/97	wo			4		
*	.		·	OTHER	DOCUMENTS (Including A	uthor, Title, D	ate, Pertinent Pa	ges, Etc.)	
								-	
e									
							. <u></u>		
EXAMINI	ER	11/1/			DATE CONSIDERED	2.28	N.	-	
XAMIN	R: Initi	ial if citation considered, whether	r or not citation is in	conforman		V .		in conforma	ance and
		XAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and considered. Include copy of this form with next communication to applicant.							

PTO-A820 orm PTO-1449)

				BBC-083/A Application Number 09/894,550					
	O to	RMANON DISCLOSUR (Us several sheets if neces.			Applicant(s) A. Collinson et al.				
		9	,		Filing Date		Group Art Unit		
	EXAMINER REF DOCUMENT NUMBER DATE				June 28, 20	001		1645	
(B)	2.		*****	U.S. PAT	ENT DOCUMENTS				
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	FILING	DATE OPRIATE
							1	<u></u>	R
								AUG	m
			*				 	2 1	Ħ
			1				5		<
	_						1 20	2002	
								>	<u> </u>
			-						
,									
				FOREIG	N PATENT DOCUMENTS	<u> </u>			
	REF	DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUBCLASS	Trans YES	slation NO
M M		97/29131	08/14/97	wo		_			
7/		99/36569	07/22/99	wo		_	_	,	
		98/49286	11/05/98	wo			_		
		98/47343	10/29/98	wo			_		
		00/56772	09/28/00	wo			_		
1			I	OTHER	DOCUMENTS (Includin	g Author, Title, D	ate, Pertinent Pa	iges, Etc.)	I
					<u></u>				
						٠			
	0								
EXAMINE	R /	74/1		2.1	DATE CONSIDERED				
	1)	Ill US			16.68.02				
		al if citation considered, whether clude copy of this form with nex			ce with MPEP Section 609	; Draw line throu	gh citation if not	in conform	ance and
rm PTO	Δ820			P09A	VREV04	Patent and Tradema	rk Office * U.S. DEP	ARTMENT OF	COMMERCE

rm PTO-A820 (s form PTO-1449)

6	PE				Docket Number (Optional) BBC-083		Application Number 09/8	394,550	
	INFO	RMANION DISCLOSUR	E CITATION		Applicant(s)			,	
ALIC	19	(Use several sheets if necess	ary)		A. Collinson et al. Filing Date		Group Art Unit		
AUG	, ,				June 28, 2				
TRADEMIN SE					ENT DOCUMENTS				
*EXAMINER INITIAL	··REF ·	DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	FILING DATE # IF APPROPRIATE	
							Š	R	
							, i	BOB BOB	
							2		
TI II							0062/000	VE 2002	
							80	D	
		-							
				FOREIG	N PATENT DOCUMENT	rs .		/	
	REF	DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUBCLASS	Translation YES NO	
Ar.		92/02551	02/20/92	wo					
		98/31700	07/23/98	wo		-			
		98/201159	05/14/98	wo					
		589877	07/10/91	EP			-		
		436597	01/09/89	EP					
V				OTHER	DOCUMENTS (Include	ing Author, Title,	Date, Pertinent Pa	ges, Etc.)	
								<u> </u>	
								į	
			/	· 					
EXAMINE	R//	5/6/5			DATE CONSIDERED	12 28	200		
		al if citation considered, whether clude copy of this form with nex			nce with MPEP Section 60	9; Draw line thro	ugh citation if not	in conformance and	
								ADTMENT OF COMMERCE	

F rm PTO-A820 (als f rm PTO-1449)

OIPE	Docket Number (Optional) BBC-083/A	Application Number 09/894,550
INFORMATION DISCLOSURE CITATION	Applicant(s) A. Collinson et al.	
AUG 1 9 2002	Filing Date	Group Art Unit
3 2007	June 28, 2001	1645
OTHER DOCUMENTS (Including Author, Title	le, Date, Pertinent Pages, Etc.)	
Luger TA, Monoclonal Anti-IL 1 is directed against 346-356	t a common site of human IL 1a and I	L B. (1986) Immunobiol., vol 172, p
AL		
Karlin and Alschul Applications and statistics for n Acad. Sci USA 90:5873-77	nultiple high-scoring segments in mole	cular sequences (1993) Broc. Far.
, and so son sons in		₹ 5 ()
Altschul, et al. Basic local alignment search tool (19	90) J. Mol. Biol. 215:403-10	EVED 1 2002 1 1600/2900
Altschul et al Gapped BLAST and PSI-BLAST: a n Research 25(17):3389-3402	new generation of protein database sea	arch programs (1997) Nucleic Acids
Myers and Miller Optimal alignments in linear space	ce (1988) Comput. Appl. Biosci. 4:11-	17
Jameson and Wolf The antigenic index: a novel alg	orithm for predicting antigenic determ	ninants (1998) CABIOS, 4(1),
Kohler and Milstein Continuous cultures of fused of	cells secreting antibody of predefined s	specificity (1975) Nature 256:495-497
G. Galfre et al. Antibodies to major histocompatibil	lity antigens produced by hybrid cell l	ines(1977) Nature 266:550-52
Roes, J. et al. Mouse anti-mouse IgD monoclonal an 183:231-237	atibodies generated in IgD deficient mi	ce.(1995) J. Immunol. Methods
Lunn, M.P. et al. High-affinity anti-ganglioside IgG GD1a Immunolocalization (2000) J. Neurochem. 75	antibodies raised in complex ganglion: :404-412	side knockout mice; reexamination of
MacQuitty, J.J. and Kay, R.M. GenPhrm's knocko	ut mice (1992) Science 257:1188	
Lonberg, N. et al. Antigen-specific human antibodi 368:856-859	es from mice comprising four distinct	genetic modifications. (1994) Nature
EXAMINER Wall-Co	DATE CONSIDERED 17. 4.	2
*EXAMINER: Initial if citation considered, whether or not citation is in conformation to applicant.	nce with MPEP Section 609; Draw line thr	ough citation if not in conformance and

	100		Docket Number (Optional) BBC-083/A	Application Number 09/894,550
	FORM	IATION DISCLOSURE CITATION (Use several sheets if necessary)	Applicant(s) A. Collinson et al.	
	ه ن	(Use sevaral sheets if necessary)	Filing Date	Group Art Unit
	Wile ,		June 28, 2001	1645
*EXAM	TIAL A IB	OTHER DOCUMENTS (Including Author, Title		Ħ
		Fishwild, D. M. et al. High-avidity human IgG kap (1996) Nature Biotechnology 14:845-851	pa monoclonal antibodies from a novel	strain of miniocus transferic mice
191	,	,		DEN:
11/	1	Mendez, M. J. et al. Functional transplant of megal	base human immunoglobulin loci reca	pitulates human antibody response in
V	}	mice (1997) Nature Genetics 15:146-156		7.002 1600/2
				(6)
		Leader, K.A. et al. Antibody responses to the blood cells.(1992) Immunology 76:229-234	group antigen D in SCID mice econst	ituted with man blood monouclear
		Bombil, F. et al. A promising model of primary hun	nan immunization in human -SCID mo	ouse (1996) Immunobiol. 195:360-375
		Heard, C. et al. Two neutralizing human anti-RSV	antibodies, cloning avarassion and cl	paracterization (1999) Molec Med
		5:35-45	antibodies: cioling, expression, and ci	iaracterization (1999) Moiec. Med.
		Eren, R. et al. Human monoclonal antibodies specif Trimera system (1998) Immunology 93:154-161	ic to hepatitis B virus generated in a h	uman/mouse ratiation chimera: the
		Reisner, Y and Dagan, S. The Trimera mouse: gene diseases (1998) Trends Biotechnol. 16:242-246	erating human monoclonal antibodies a	and an animal model for human
		Clackson et al. Making antibody fragment using ph	age display libraries(1991) Nature 352	2:624-628
		Gram et al. In vitro selection and affinity maturation PNAS 89:3576-3580	n of antibodies from a naïve combinat	orial immunoglobulin library (1992)
		Barbas et al. Assembly of combinatorial antibody li	braries on phage surfaces: The gene I	II site (1991) PNAS 88:7978-7982
		McCafferty et al. Phage antibodies: filamentous pha	age displaying antibody variable doma	nins Nature (1990) 348:552-554
		Knappik et al. Fully synthetic human combinatoria CDRs randomized with trinucleotides (2000) J. Mo	l antibody libraries (HuCAL) based or l. Biol. 296:57-86	n modular consensus frameworks and
EXAMI	VER	UA	DATE CONSIDERED	a
		f citation considered, whether or not citation is in conformale copy of this form with next communication to applicant.	nce with MPEP Section 609; Draw line thr	rough citation if not in conformance and

		Docket Number (Optional)	Application Number
OIPE	\boldsymbol{Z}	BBC-083/A	09/894,550
1.	ATION DISCLOSURE CITATION (Use several sheets if necessary)	Applicant(s) A. Collinson et al.	
AUG 1 9 2002	R.	Filing Date	Group Art Unit
	<u> </u>	June 28, 2001	1645
EXAMPLER INITIABLE PROPERTY.	OTHER DOCUMENTS (Including Author, Titl	· · · · · · · · · · · · · · · · · · ·	EG D
A la	Bird et al. Single-chain antigen-binding protiens (19		AUG 2
10	Huston et al. Protien engineering of antibody binding analogue produced in Escherichia coli (1988) Proc.	ng sites: recovery of specific activity in Natl. Acad. Sci. USA 85:5879-5883	n an anti-digoxin singel chain Fv
	Boss, M.A. and Wood, C. R. Genetically engineered	d antibodies (1985) Immunology Toda	
Unit of the			
	Kaufman, R.J. and P.A. Sharp Amplification and exreductase complementary DNA gene (1982) Mol. Bi	xpression of sequences contransfected iol. 159:601-621	with a modular dihydrofolate
	Roberts, R.W. and Szostak, J.W. RNA-peptides fus Acad. Sci. USA 94:1297-12302	sions for the in vitro selection of peptic	les and proteins (1997) Proc. Natl.
		·	
	Babcock, J.S. et al. A novel strategy for generating antibodies of defined specificities (1996) Proc. Natl.	monoclonal antibodies from single, 186 . Acad. Sci. USA 93:7843-7848	olated lymphocytes producing
	Holliger, P., et al. "Diabodies": small bivalent and 90:6444-6448	bispecific antibody fragments (1993) I	Proc. Natl. Acad. Sci. USA
	Poljak, R.J., et al. Production and structure of diab	odies (1994) Structure 2:1121-1123)	
	Albert, A.E. et al. Time-dependent induction of prolymphocyte/SCID mice (1997) J Immunol.;159(3):1	tective anti-influenza immune respons 1393-1402	es in human peripheral blood
	Arai, K et al. An ELISA to determine the biodistrib (1998) J Immunol Method.;217(1-2):79-85	oution of human monoclonal antibody	in tumor-xenografted SCID mice
	Bocher, W.O. et al. Antigen specific B and T cells in Immunology; 96(4):634-41	n human/mouse radiation chimera follo	owing immunizationin vivo (1999)
<u> </u>	Chamat, S. et al. Human monoclonal antibodies isol Hu-SPL-SCID mice and specific for fusion protein of J Infect Dis.;180(2):268-77	lated from spontaneous Epstein-Barry display broad neutralizing activity tov	virus-transformed tumors of ward repiratory synytial virus (1999)
EXAMINER	1 1	DATE CONSIDERED	
11/06		12.28	· 10
1/0	Lug		
	citation considered, whether or not citation is in conformate conv of this form with next communication to applicant.	nce with MPEP Section 609; Draw une th	rough citation if not in conformance and

P09B/REV04

IPE	Docket Number (Optional) BBC-083/A	Application Number 09/894,550
NFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	Applicant(s) A. Collinson et al.	
	Filing Date June 28, 2001	Group Art Unit
	e, Date, Pertinent Pages, Etc.)	\$ D
Gallo, M.L., et al. The human immunoglobulin loci in		
adult humans. (2000) Eur J Immunol. :30:534-40		CEI G & 1 NTER 1
Green, L.L. Antibody engineering via genetic engine generation of therapeutic human monoclonal antibo	eering of the mouse: XenoMouse stra dies (1999) J Immunol Methods, 10;2	ins are a vehiet for the fact (31(1-2):11-22)
Green, L.L. et al. Regulation of B cell development immunoglobulin yeast artificial chromosomes (1998)	by variable gene complexity in mice r) J Exp Med.;188(3)483-95	econstituted with human
Harding, F.A. et al. Class switching in human immu	noglobulin transgenic mice (1995) An	nn. NY Acad. Scii., 29;764:536-546
Herz, U. et al. The humanized (Hu-PBMC) SCID m inflammation of the skin (1997) Int Arch Allergy Im	ouse as an in vivo model for human In nmunol.;113(1-3):150-2	gE production and allergic
Hutchins, W.A. et al. Human immune response to a mice (1999) Hybridoma;18(2):121-9	peptide mimic of Neisseria menigtidis	s serogroup C in hu-PBMC-SCID
Ilan, E. et al. The hepatitis B virus-trimera mouse: a agents (1999) Hepatology;29(2):535-62	a model for human HBV infection and	l evaluation of anti-HBV therapeutic
Lonberg, N. Human antibodies from transgenic mic	re (1995) Int Rev Immunol.;13(1):65-9	3
Murphy, W.J. et al. CD40 stimulation promotes hur Clin Immunol.;90(1):22-7	man secondary immunogloulin respon	ises in HuPBL-SCID chimeras (1999)
Murphy, W.J. et al. The huPBL-SCID mouse as a m 8:233-41	neans to examine human immune fund	ction in vivo (1996) Semin Immunol.;
Nguyen, H. et al. Production of human monoclonal		
Smithson, S.L. et al. Molecular analysis of the heavy Neisseria menigitidis in hum-PBMC reconstituted S 36:113-24	y chain of antibodies that recognize the CID mice and in the immunized hum	e capsular polysaccharide of an donor (1999) Mol Immunol.;
EXAMINER ALL	DATE CONSIDERED L. 19- PL	
*EXAMINER: Initial if citation considered, whether or not citation is in conformation to applicant.	nce with MPEP Section 609; Draw line th	rough citation if not in conformance and

ı

						Docket Number (Option		Application Number	
	PE.	6				BBC-	083/A	09/894,550	
GN	FORM.	ASSON D (Use Several	ISCLOSURE sheets if necessar	EITATION (y)	1.1	Applicant(s) A. Collinson et a	al.		
BUA	19.00					Filing Date June 2	8 2001	Group Art Unit 1645	
				_				1045	
EXAMPLER INITIAL	& TRADE	(F) (F)	THER DOCUME			, Date, Pertinent Pag			
A								vy and light chain immunoglobuling	ns
								peutics for the treatment of	
		Yoshinari SCID mo	i, K. eta l. Differ use ascites by fi	rential effects of ve heterohybrid	f immunosuj lomas (1998)	opressants and ant Hydridoma;17(1)	ibiotics on huma :41-5	n monoclonal antibody production	in
					72				
			,						
EXAMINER	1	M	<u>A</u>				290		
*EXAMINER: not considered.	Initial if of	citation consi copy of this f	idered, whether o form with next co	r not citation is in mmunication to a	n conformanc applicant.	e with MPEP Section	n 609; Draw line th	rough citation if not in conformance a	nd

P09B/REV04